

Nucleonica "free access" comments

- 1) Preferences: the user shall be able to change his username.
- 2) Reference Data/Radiation: numbers for Energy and Branching Ratio shall be given as given in the DB (not in scientific notation) as they were in the previous version. Only the product Energy x Emission Prob shall be given in scientific notation!
- 3) Reference Data/Radiation/Graph: for Co60 graphs don't work.
- 4) Reference Data/Radiation/Download Data: when displaying several sets of data (e.g. gamma, alpha) only the latest printed set is available for download (e.g. if gamma and alpha are displayed: if one tries to download the gamma data, the downloaded file will have alpha data).
- 5) Reference Data/Radiation/8th Table of Isotopes: replace for X-rays "Energy, E(MeV)" by "Energy, E(keV)"
- 6) Reference Data/Radiation/8th Table of Isotopes/XRays: wrong values displayed.
- 7) Reference Data/Datasheet/Download: the generated file for download shows tags in the fields that shall be removed.
- 8) Reference Data/Print: in the printed file, options and buttons shall be removed from the final print out.
- 9) Reference Data/Print: Add a Nucleonica banner to the print out.
- 10) Searchable Databases: when we do a search and obtain the search results containing a list of nuclides, it would be very useful if these nuclides were hyperlinks to the Datasheets. So that following a search results list of nuclides, we can click on a nuclide and its Datasheets opens in a NEW window.
- 11) Wiki: on the right top corner the "login/create an account" shall not be appearing for the free users.
- 12) Wiki: when free user tries to access a reserved page – such as articles – a warning shall be given "You do not have access to this feature. Please consider upgrading your membership" instead that referring to login.
- 13) In the portal page, maybe the wiki Help should be in a more prominent place. It is easy to overlook. Also when I resize the browser – it disappears out of sight!
Should we have a link to the NucleonicaWiki in the Knowledge Centre?
- 14) Toolbar/Applications: all applications accessible to the user shall be in the same order as in the main window. For the free user the toolbar/applications shall have:
 - Nuclide Explorer
 - Searchable Databases
 - Mass Activity Calculator
 - Universal Nuclide Chart
 - Physical Constants
 - Nuclide Datasheet
 - Radiations
 - Nuclear News
- 15) Application portal: replace "Nuclide Chart" by "Nuclide Explorer"
- 16) Nuclide Explorer: one shall not be able to be out of the chart when moving the selection rectangle in the small chart (similar to the big chart).
- 17) Nuclide Explorer: for the free user the background of the chart shall be light grey as the small chart.
- 18) Nuclide Explorer: Previous bug still exists. When changing the size of the browser window, then using the browser cursors and trying to select a nuclide, the chart doesn't reacts anymore.
- 19) Nuclide Explorer: Change "Select color theme" to "Select colour theme"
- 20) Nuclide Explorer: in the legend, remove the A in the colour boxes..
- 21) Nuclide Explorer/Legend/Select individual colour: the actual selected colour shall be marked in the palette.

- 22) Nuclide Explorer/Legend/Select individual colour: the “Text” box shall be separated from the entry colour code box and the “Select” button.
- 23) Nuclide Explorer/Legend/Select individual colour palette: a “Restore original” button shall be added in the selection palette window.
- 24) Nuclide Explorer: For free users, the save button and the theme name shall not be displayed.
- 25) Nuclide Explorer: number of nuclides... problems see Appendix provided by Raymond.
- 26) Searchable DB/Nucleonica-JEFF3.1: decay mode selection shall be as the decay mode filter in the Nuclide Explorer.
- 27) Searchable DB/Nucleonica-JEFF3.1: default for search shall be “half-life” instead of “Stable”.
- 28) Searchable DB/Nucleonica-JEFF3.1: a search on the decay mode based on “CE” returns no results, which is wrong.
- 29) In the main portal interface, My Nuclide Libraries and My Sources should be light grey (de-activated). Free Access users do not have access to Mixtures and Sources.
Note: The name "My Nuclide Libraries" should be changed to "My Nuclide Mixtures" for all users.
- 30) Administration/users: we need the date of registration to be saved and displayed in the administration window. This field shall have the ordering feature.
- 31) Administration/users: hide user ID
- 32) Administration/users: we need the total number of users and by categories of membership.
- 33) Users/alerts: they do not work for free users.
- 34) Forum: to be discussed during Friday meeting.
- 35) Knowledge Centre: add “Ask an Expert” linked to Wiki.
- 36) Calculator/Conversion: the following conversion shall be implemented:

J → eV	(1 J = 6.241509647 x 10 ¹⁸ eV)
eV → J	
u → MeV	(1 u = 931.494028 MeV)
MeV → u	
Bq → Ci	
Ci → Bq	(1 Ci = 3.7 x 10 ¹⁰ Bq)
J → MWd	
MWd → J	(1 MWd = 8.64 x 10 ¹⁰ J)
y → s	(1 y = 3.15576 x 10 ⁷ s)
s → y	
- 37) Calculator: when value is input in scientific notation than result value shall be as well displayed in scientific notation.
- 38) Calculator: I entered the number 1.602e-19. then press 1/x and result is NnN. This is wrong. (is the % sign working properly?)
- 39) Users Maintenance
 - Add date of registration.
 - Also if there is an upgrade then add the date of the upgrade
 - Add box for job title
 - Add box "prepare invoice" (this is a word doc file with the full address of the person). We will supply the draft invoice but Dialogika should add the full name address etc. This should be coupled with the "online payment module" which now should be called something like "subscription management module". Jean will provide more details.
- 40) Link to Google Analytics in the administration pages